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(21) International Application Number: PCT/EP99/07038 (22) International Filing Date: 22 September 1999 (22.09.99) (30) Priority Data: TO98A000800 22 September 1998 (22.09.98) IT (71) Applicant (for all designated States except US): NOVAMONT S.P.A. [IT/IT]; Via Fauser, 8, I-28100 Novara (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): BASTIOLI, Catia [IT/IT]; Via della Noce, 63, I-28100 Novara (IT). BELLOTTI, Vittorio [IT/IT]; Via Mora e Gibin, 9, I-28010 Fontaneto d'Agogna (IT). MONTINO, Alessandro [IT/IT]; Via Bellotti, 15, I-27038 Robbio Lomellina (IT). (74) Agents: RAMBELLI, Paolo et al.; Jacobacci & Perani S.p.A., Corso Regio Parco, 27, I-10152 Torino (IT).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: POLYMERS OF A HYDROPHOBIC NATURE, FILLED WITH STARCH COMPLEXES		
(57) Abstract <p>Hydrophobic polymers incompatible with starch containing, as a filler, a starch complex dispersed in the polymer matrix in the form of particles with numeric mean dimension of less than 3 microns, bound to the polymer matrix by coupling agents containing groups compatible with the matrix and with the complex, in which the starch complex is characterized by second-derivative IR absorption in the region of 940-952 cm⁻¹ are described or wherein the starch complex is bound to the polymeric matrix through reactive groups contained in the complex capable of being fixed to the polymeric matrix. The starch complex in the case of biodegradable polymers such as the aliphatic or aliphatic aromatic polyesters is formed with complexing agents different from the polymer forming the matrix and from EVOH copolymers.</p>		